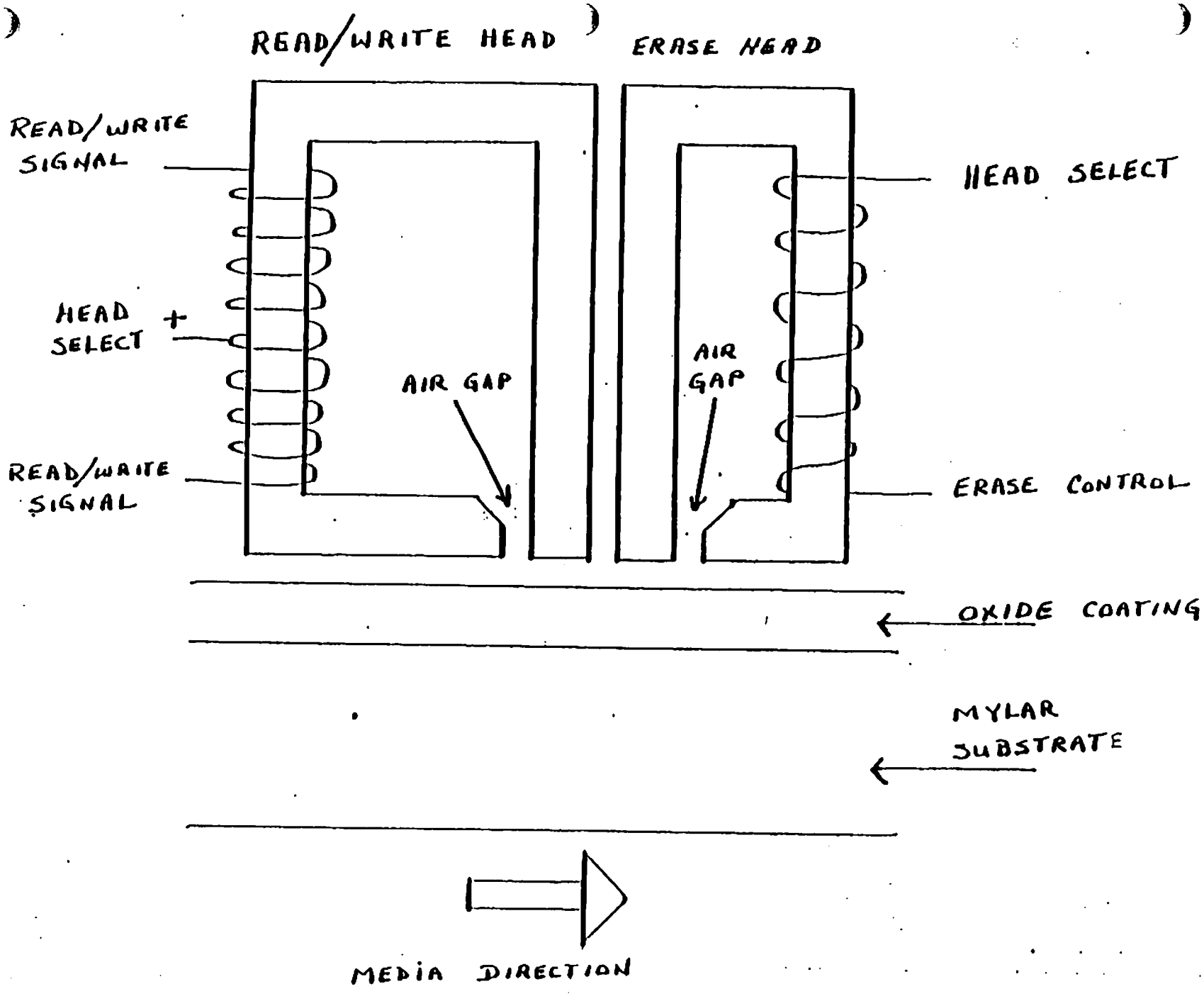
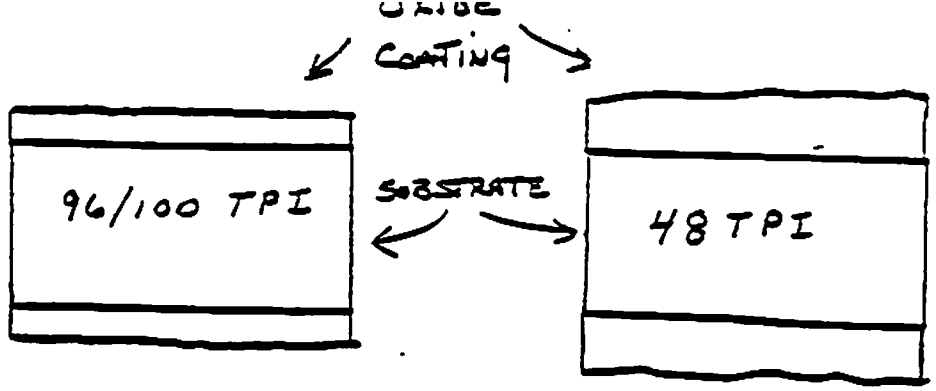
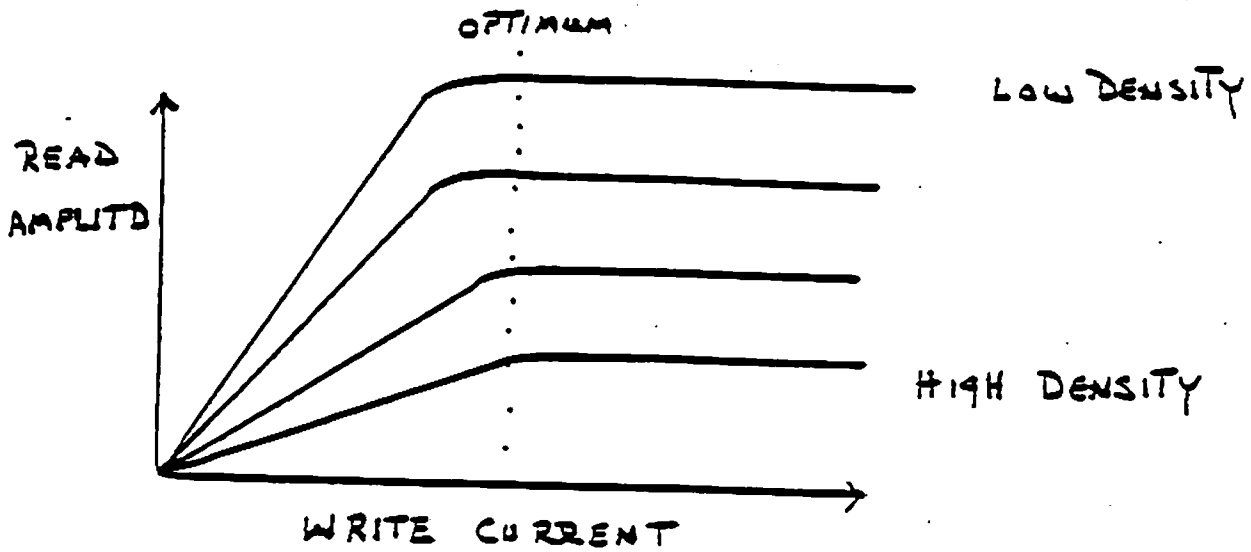
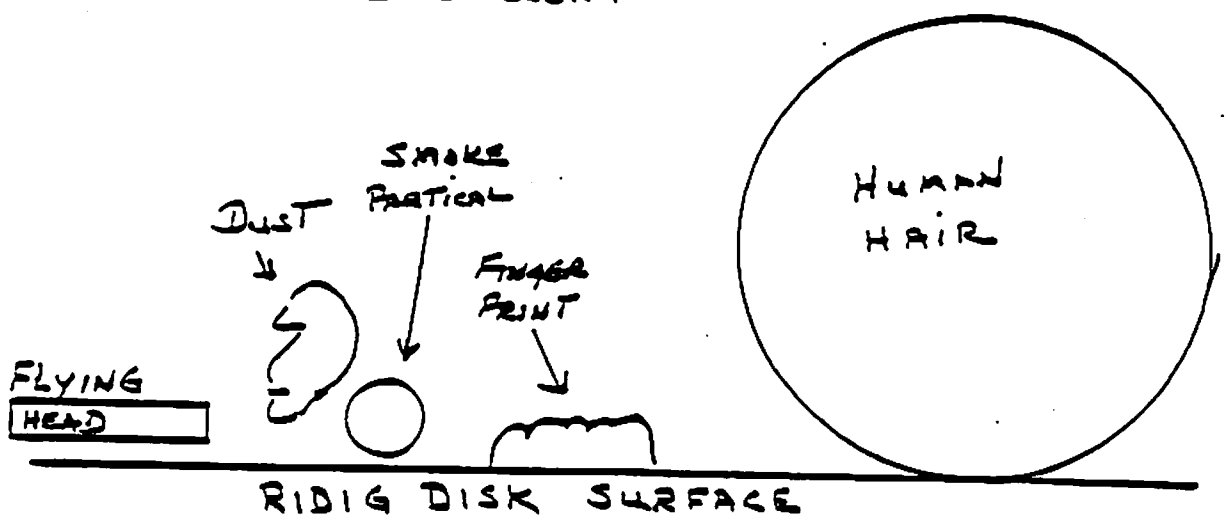
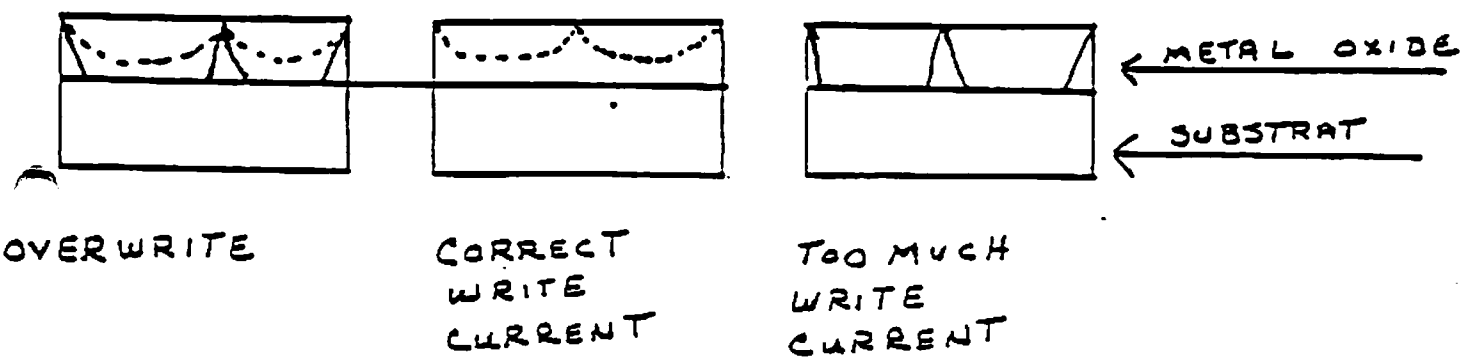
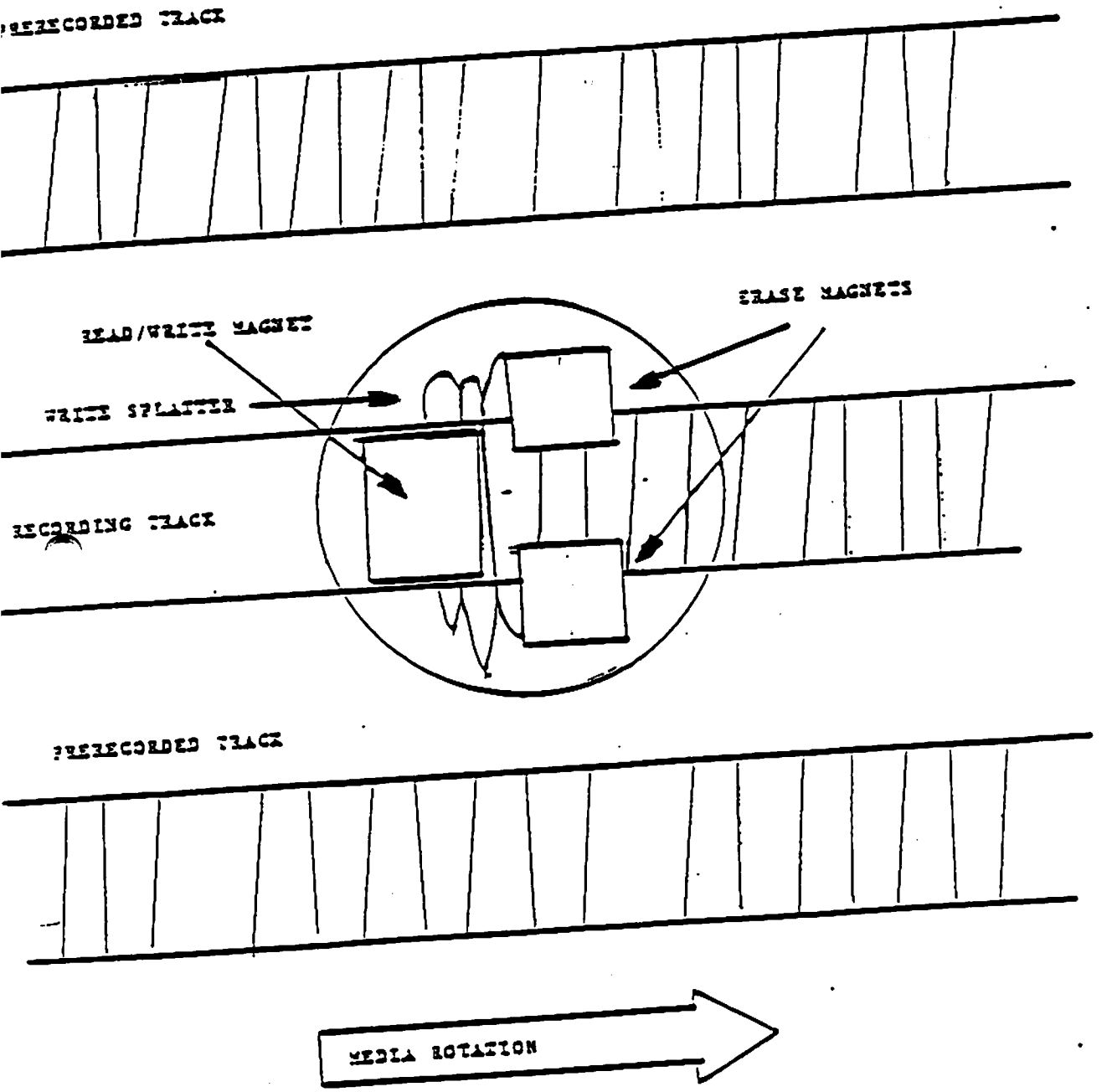

READ/WRITE HEAD
ERASE HEAD
READ/WRITE SIGNAL
HEAD SELECT +
READ/WRITE SIGNAL
AIR GAP
AIR GAP
HEAD SELECT
ERASE CONTROL
OXIDE COATING
MYLAR SUBSTRATE
MEDIA DIRECTION


OXIDE
COATING
96/100 TPI
SUBSTRATE
48 TPI

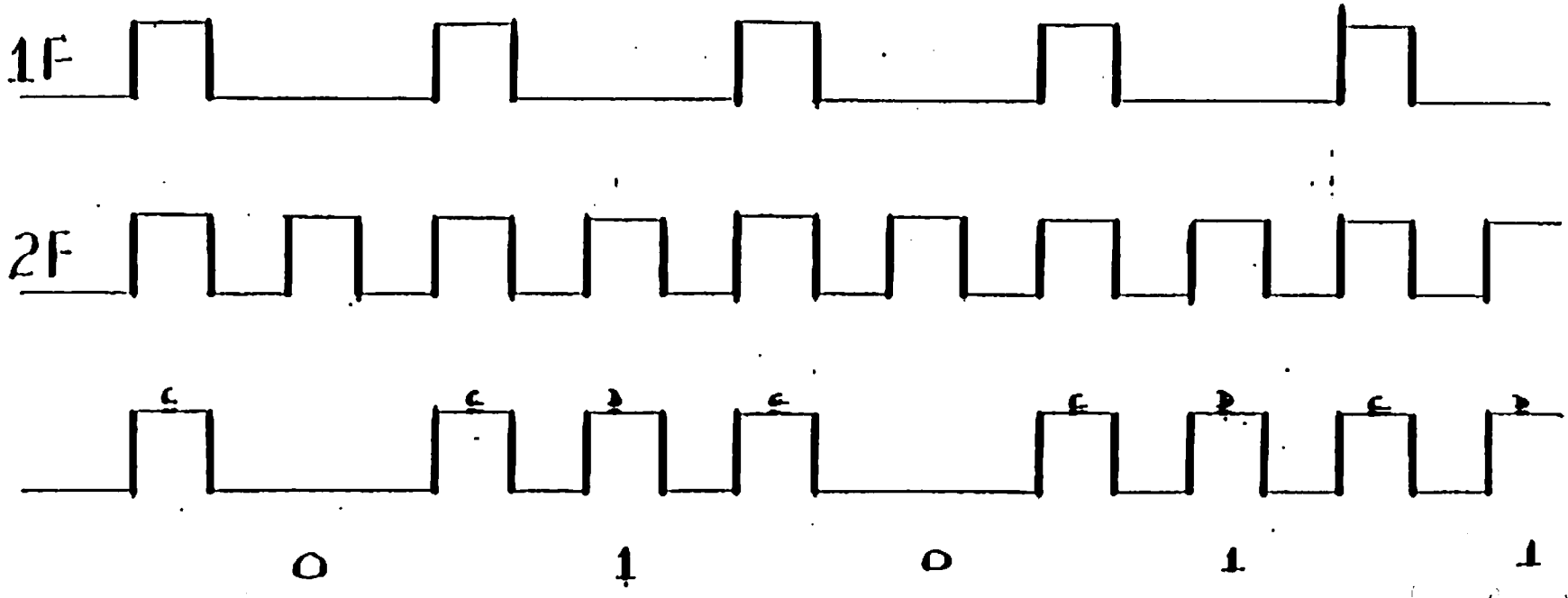

OPTIMUM
LOW DENSITY
READ
AMPLITD
HIGH DENSITY
WRITE CURRENT


SMOKE
PARTICAL
DUST
FINGER
PRINT
HUMAN
HAIR
FLYING
HEAD
RIDIG DISK SURFACE


METAL OXIDE
SUBSTRAT
OVERWRITE
CORRECT
WRITE
CURRENT
TOO MUCH
WRITE
CURRENT


PRERECORDED TRACK
ERASE MAGNETS
READ/WRITE MAGNET
WRITE SPLATTER
RECORDING TRACK
PRERECORDED TRACK
MEDIA ROTATION

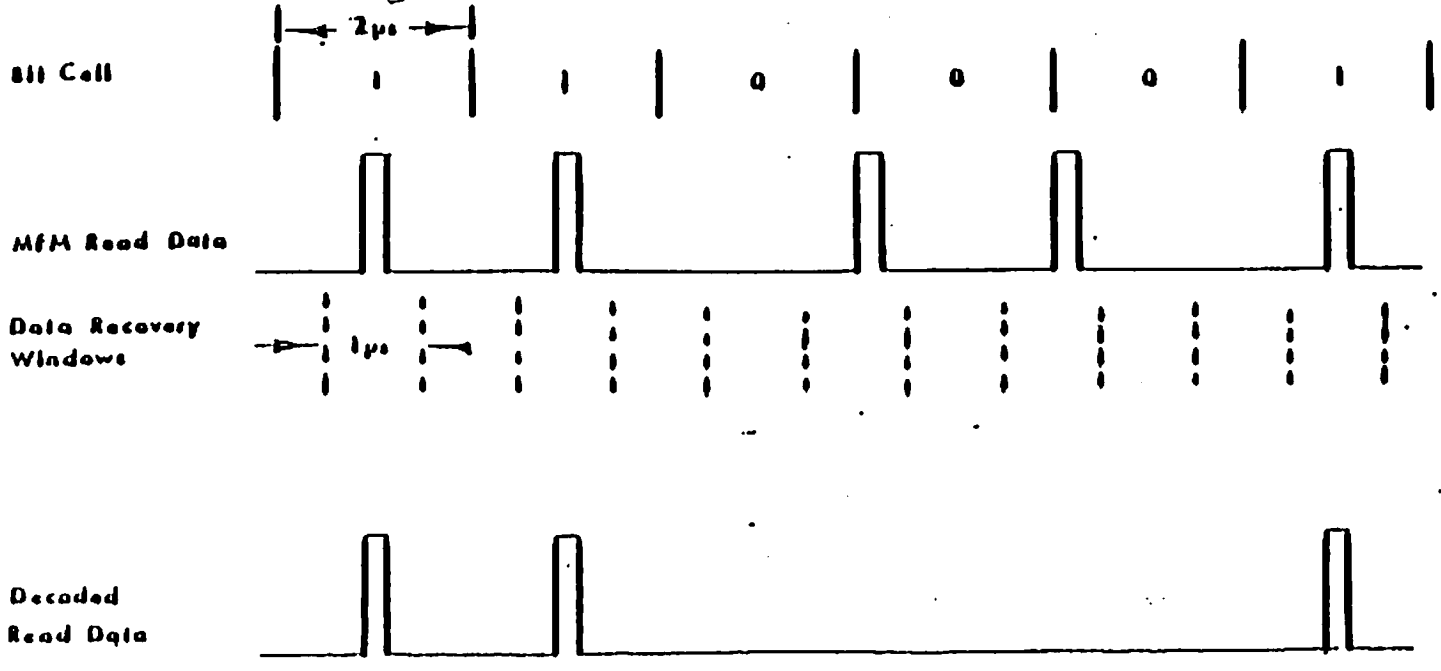
FM SINGLE DENSITY

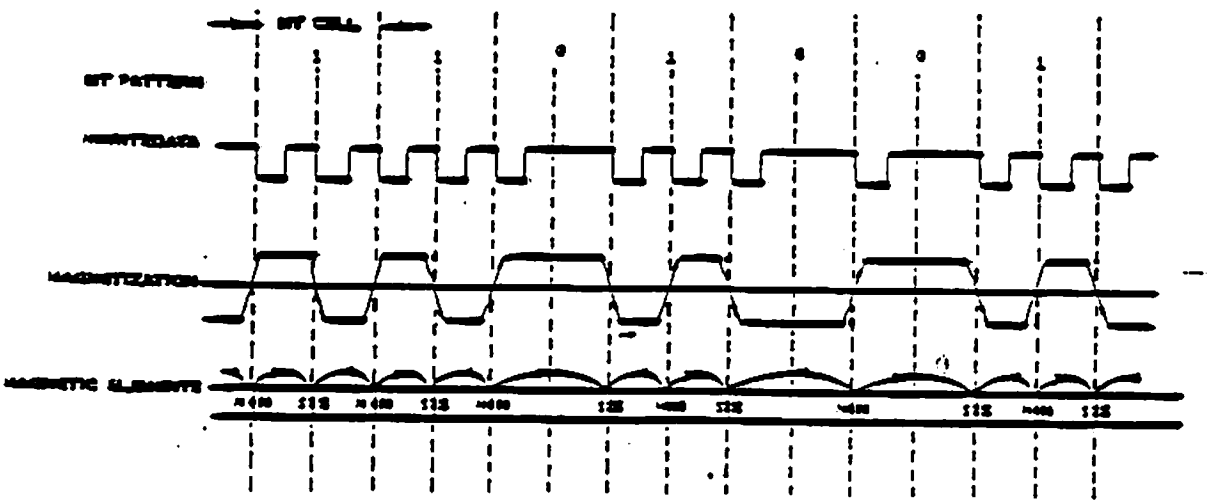


clock pulse to clock pulse

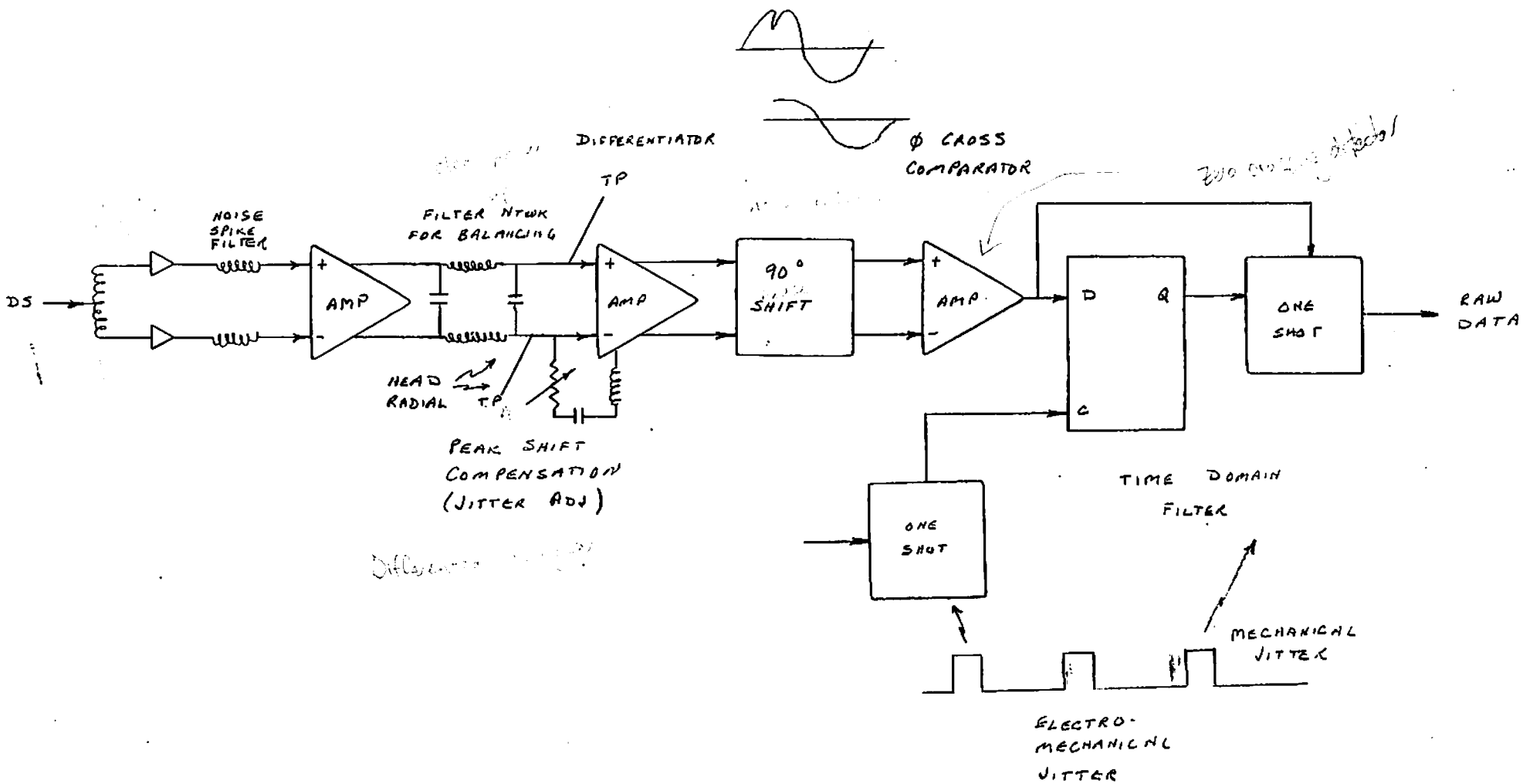
twelve zeros as synchronization bits for clock pulses FM

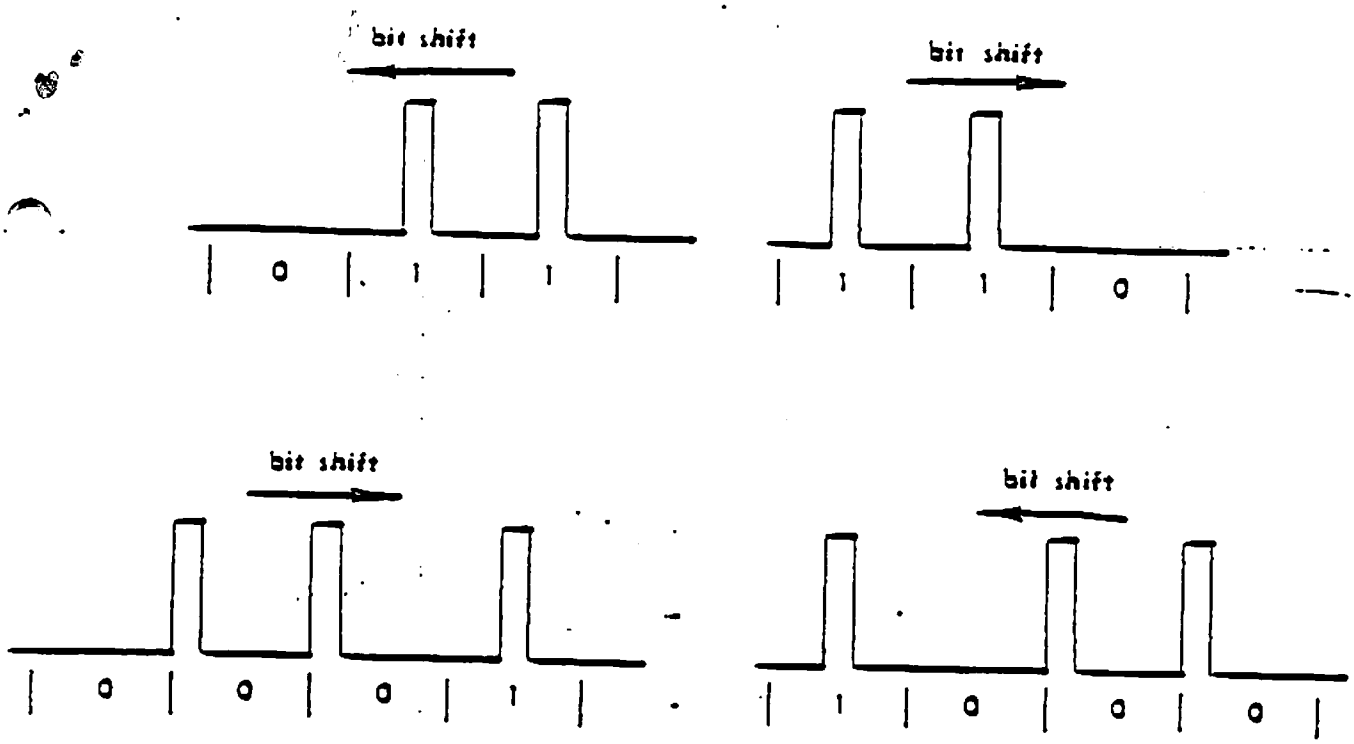
then index marks,
then mark sync,
then track id,
then sync,
then sector id,
sync,
data mark.



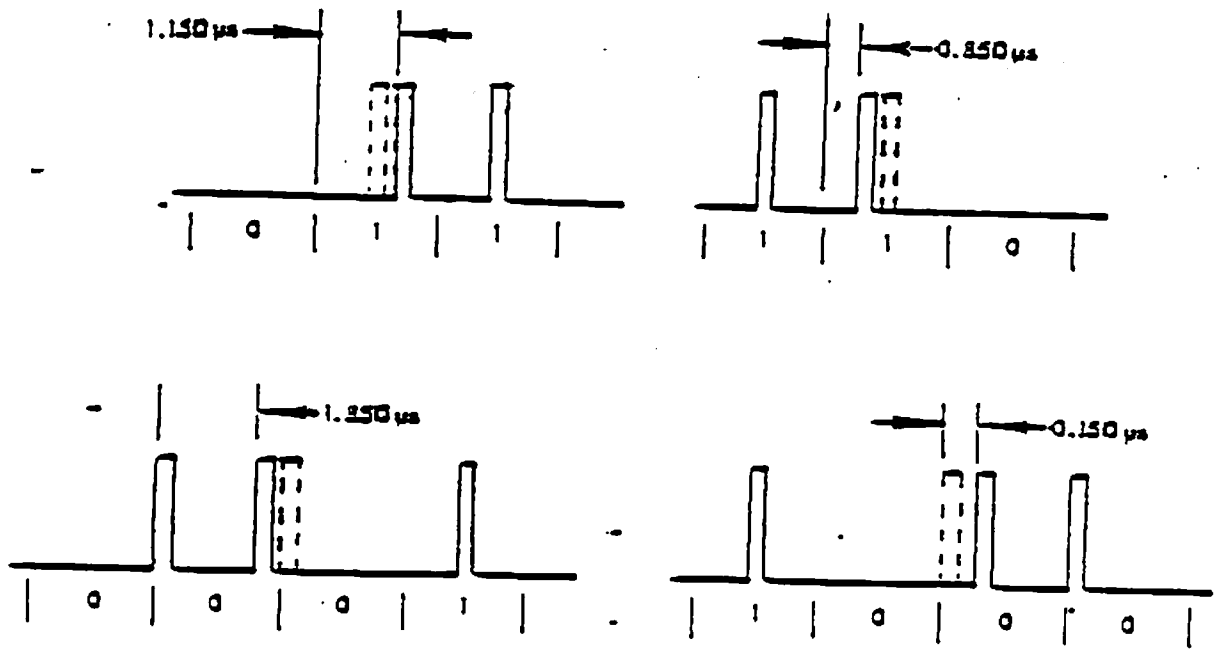


FM Recording Magnetization Profiles


DIFFERENTIATOR
TP
Φ CROSS COMPARATOR
NOISE SPIKE FILTER
FILTER NTWK FOR BALANCING
DS
AMP
AMP
90° SHIFT
AMP
D
Q
C
ONE SHOT
RAW DATA
HEAD RADIAL
TP
PEAK SHIFT COMPENSATION (JITTER ADJ)
TIME DOMAIN FILTER
ONE SHOT
MECHANICAL JITTER
ELECTRO-MECHANICAL JITTER



Expected Bit Shift on Read Back Data.



Precompensated Write Data.